

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 1539 | (438/424).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 17:36 |
| L2 | 524 | (438/435).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 17:36 |
| S1 | 2608 | ((438/42) or (438/221) or (438/296) or (438/359) or (438/424) or (438/433) or (438/434) or (438/435) or (438/437) or (438/524)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/26 11:18 |
| S2 | 7 | S1 and (sioc or (((carbon near2 dop\$3) near2 silicon) near2 (oxide or dioxide))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 21:57 |
| S3 | 1772 | (sioc or (((carbon near2 dop\$3) near2 silicon) near2 (oxide or dioxide))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:27 |
| S4 | 1100 | S3 and (trench\$2 or groov\$2 or via\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:34 |
| S5 | 367 | S3 same (trench\$2 or groov\$2 or via\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:29 |
| S6 | 219 | S5 and ((top and bottom) or (upper and lower)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:34 |

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| S7 | 696 | S3 and (trench\$2 or groov\$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:35 |
| S8 | 530 | S7 and ((top and bottom) or (upper and lower)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:38 |
| S9 | 445820 | (trench\$2 or groov\$2) same ((top and bottom) or (upper and lower)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:35 |
| S10 | 263 | S9 and S3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:36 |
| S11 | 92238 | ((top and bottom) or (upper and lower)) near5 (dielectric or insulat\$3 or fill\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 21:03 |
| S12 | 23812 | S11 and (trench\$2 or groov\$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:40 |
| S13 | 7711 | ((top and bottom) or (upper and lower)) near5 (dielectric or insulat\$3 or fill\$3)) same (trench\$2 or groov\$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:47 |
| S14 | 98 | S13 and S3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:45 |
| S15 | 6 | (("5989998") or ("6054379") or ("6215087") or ("5930655") or ("6043145") or ("6063702")).PN. | USPAT | OR | OFF | 2004/11/12 20:45 |

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| S16 | 2238 | ((top and bottom) or (upper and lower)) near5 (dielectric or insulat\$3 or fill\$3)) near5 (trench\$2 or groov\$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:47 |
| S17 | 592 | S16 and (sio or (silicon near2 dioxide)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:48 |
| S18 | 330 | S17 and (liner or barrier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:49 |
| S19 | 108 | S18 and (pecvd or ((plasma near2 enhanced) near2 (cvd or (chemical adj vapor adj deposition)))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 20:53 |
| S20 | 14 | ("4666556" "4899060" "4982099" "5268330" "5557110" "5652176" "5677231" "5728621" "5804490" "5807784" "5817568" "5937292" "5937308" "6069091").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/12 21:01 |
| S21 | 1029 | (438/424).CCLS. | USPAT | OR | OFF | 2004/11/12 21:02 |
| S22 | 1062 | ((438/424) or (438/434)).CCLS. | USPAT | OR | OFF | 2004/11/12 21:03 |
| S23 | 1367 | ((438/424) or (438/434)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/04 17:22 |
| S24 | 135 | S23 and ((top and bottom) or (upper and lower)) near5 (dielectric or insulat\$3 or fill\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/12 21:04 |
| S25 | 4 | ("20020072198" "20020076879" "5937292" "6127241").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/12 21:08 |

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|-----|------|---|---|----|-----|------------------|
| S26 | 13 | ("5930107" "6191004" "6236079" "6294423" "6300219" "6319796" "6335239" "6335261" "6335288" "6339241" "6346457" "6365523" "6368912").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/12 21:12 |
| S27 | 3 | ("5393693" "5445989" "5498566").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/12 21:20 |
| S28 | 13 | ("5807784").URPN. | USPAT | OR | OFF | 2004/11/12 21:20 |
| S29 | 9 | ("4566172" "4842675" "4968636" "5099304" "5393693" "5445989" "5686344" "5783476" "5807784").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/12 21:21 |
| S30 | 0 | ("2003/0234433").URPN. | USPAT | OR | OFF | 2004/11/12 21:23 |
| S31 | 4 | ("4169000" "4356211" "5098856" "6057226").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/12 21:24 |
| S32 | 9 | ("4566172" "4842675" "4968636" "5099304" "5393693" "5445989" "5686344" "5783476" "5807784").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/12 21:25 |
| S33 | 9 | ("4404735" "4471525" "4621414" "4740480" "4810669" "4819054" "4835115" "4855804" "4888300").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/12 21:25 |
| S34 | 33 | ("5099304").URPN. | USPAT | OR | OFF | 2004/11/12 21:26 |
| S35 | 1 | ("6501149").PN. | USPAT | OR | OFF | 2004/11/12 21:57 |
| S36 | 2 | ((("6501149") or ("6548399"))).PN. | USPAT | OR | OFF | 2004/11/12 21:57 |
| S37 | 6 | ("4924284" "4945069" "5236863" "5250461" "5384280" "5923073").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/12 21:58 |
| S38 | 6 | ((("5989998") or ("6054379") or ("6215087") or ("5930655") or ("6043145") or ("6063702"))).PN. | USPAT | OR | OFF | 2005/01/26 11:08 |
| S39 | 3346 | ((438/42) or (438/218) or (438/221) or (438/294) or (438/296) or (438/353) or (438/359) or (438/391) or (438/424) or (438/433) or (438/434) or (438/435) or (438/437) or (438/524)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/26 13:14 |

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| S40 | 3346 | ((438/42) or (438/218) or (438/221) or (438/294) or (438/296) or (438/353) or (438/359) or (438/391) or (438/424) or (438/433) or (438/434) or (438/435) or (438/437) or (438/524)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/26 15:57 |
| S41 | 9 | S40 and (((upper and lower) or (top and bottom)) near2 (dielectric or insulat\$3)) near3 (trench\$2 or groove\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/26 13:38 |
| S42 | 250 | S40 and (dielectric near constant\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/26 13:24 |
| S43 | 165 | S42 and ((upper and lower) or (top and bottom)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/26 13:26 |
| S44 | 163 | S43 not S41 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/26 13:26 |
| S45 | 8 | ("20010036705" "20030013272" "5536675" "5994200" "6127241" "6399449" "6461934" "6596607").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/01/26 13:28 |
| S46 | 0 | ("6794269").URPN. | USPAT | OR | OFF | 2005/01/26 13:29 |
| S47 | 8 | ("5891805" "6090696" "6191025" "6191029" "6191031" "6211085" "6251774" "6420261").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/01/26 13:33 |
| S48 | 0 | ("6653229").URPN. | USPAT | OR | OFF | 2005/01/26 13:34 |
| S49 | 281 | ((((upper and lower) or (top and bottom)) near2 (dielectric or insulat\$3)) near3 (trench\$2 or groove\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/26 13:39 |

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| S50 | 98 | S49 and (dielectric near constant\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/26 13:39 |
| S51 | 98 | S50 not S44 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/26 13:40 |
| S52 | 3866 | (trench\$2 or groov\$2) same (dielectric near constant\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/26 15:57 |
| S53 | 3346 | ((438/42) or (438/218) or (438/221) or (438/294) or (438/296) or (438/353) or (438/359) or (438/391) or (438/424) or (438/433) or (438/434) or (438/435) or (438/437) or (438/524)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/26 15:57 |
| S54 | 87 | S52 and S53 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/26 15:57 |
| S55 | 5 | ("5447884" "5726090" "5753562" "5888880" "5909628").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/01/26 16:33 |
| S56 | 6 | ("6008109").URPN. | USPAT | OR | OFF | 2005/01/26 16:34 |
| S57 | 1821 | ((("SiC" and "SiOC") or (carbon near2 (silicon adj dioxide))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/27 13:47 |
| S58 | 537 | S57 and (trench\$2 or groove\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/27 13:31 |

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| S59 | 253 | S58 and (low adj K) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/27 13:31 |
| S60 | 236 | S59 and (dielectric near constant\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/27 13:48 |
| S61 | 103 | ((("SiC" and "SiOC") or (carbon near2 (silicon adj dioxide)))) same (trench\$2 or groove\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/27 14:23 |
| S62 | 89 | S61 and (dielectric near constant\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/27 13:49 |
| S63 | 46 | S62 not S60 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/27 13:49 |
| S64 | 103 | ((("SiC" and "SiOC") or (carbon near2 (silicon adj dioxide)))) same (trench\$2 or groove\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/27 14:24 |
| S65 | 83 | (dielectric near constant) near "5.0" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/27 14:25 |
| S66 | 0 | S64 and S65 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/27 14:24 |

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|-----|---|--|---|----|----|------------------|
| S67 | 0 | S65 and (("SiC" and "SiOC") or (carbon near2 (silicon adj dioxide))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/01/27 14:25 |
|-----|---|--|---|----|----|------------------|